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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Judith C. Espejo

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EXAMINER

LEE, JOHN J

ART UNIT

PAPER NUMBER

2684

10

DATE MAILED: 05/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/749,833

Applicant(s)

ESPEJO ET AL.

Examiner

JOHN J LEE

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 March 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Applicant's arguments with respect to claims 1 – 13 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. **Claims 1 – 7, 9, and 13** are rejected under 35 U.S.C. 103(a) as being unpatentable over Easley et al. (US Patent number 6,496,691) in view of Hernandez et al. (US Patent number 6,542,601).

Regarding **claim 1**, Easley discloses that a wireless communication system providing interactive voice response for calling card services (column 14, lines 66 – column 15, lines 45 and Fig. 15). Easley teaches that a mobile switching system (12, 14 in Fig. 1), adapted to communicate with at least one wireless device (MS in Fig. 2) (abstract), capable of establishing a control channel and a voice channel with the wireless device (MS in Fig. 2) (Fig. 1, 3 and column 4, lines 63 – column 5, lines 30 where teaches mobile communication system, switching system, communicates with voice, data and other information (control data) via mobile station). Easley teaches that a Service Control Point (SCP) (22 in Fig. 1) in communication with the mobile switching system (12, 14 in Fig. 1) (Fig. 1 teaches SCP communicates with MSC by T1 and see column 4, lines 1 - 23), the Intelligent peripheral including an Interactive Voice Response (IVR)

Art Unit: 2684

application for calling card services (column 9, lines 60 – column 10, lines 20 and Fig. 7), and capable of retrieving customer information (column 9, lines 42 – column 10, lines 20 and Fig. 7). Easley teaches that an Intelligent Peripheral (20 in Fig. 1) in communication with the SCP (22 in Fig. 1) (T2 in Fig. 1) and the mobile switching system (12, 14 in Fig. 1), the Intelligent Peripheral including IVR messages (column 15, lines 25 – column 16, lines 6) and adapted to send those messages through a voice channel (speech signal see column 15, lines 25 - 45) to the mobile switching system (column 15, lines 49 – column 16, lines 67 and Fig. 15). Easley also teaches that wherein the mobile switching system communicates with the SCP (T1 in Fig. 1) and wherein the SCP communicates with the Intelligent Peripheral (T2 in Fig. 1) (Fig. 1 teaches MSC communicates with IP and SCP also SCP communicates with IP and MSC see column 4, lines 1 - 23).

Easley does not specifically disclose the limitation “the SCP including an Interactive Voice Response (IVR) application for prepaid customers”. However, Hernandez discloses the limitation “the SCP (218 in Fig. 1B) including an Interactive Voice Response (IVR) (12 in Fig. 1B) application for prepaid customers” (Fig. 1B and column 6, lines 6 – column 7, lines 3, where teaches SCP includes IVR prepaid customers). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the Easley system as taught by Hernandez. The motivation does so would be to achieve an efficient management for prepaid customers in wireless communication system.

Regarding **claim 2**, Easley discloses that the system is adapted to route a calling party to the IVR when the system receives a predetermined dialed number (column 14, lines 66 – column 15, lines 45 and Fig. 15).

Regarding **claim 3**, Easley discloses that the predetermined dialed number is an abbreviated number (column 12, lines 21 – 60 and Fig. 15).

Regarding **claim 4**, Easley discloses that the predetermined dialed number is an abbreviated number shorter than seven digits (column 12, lines 21 – 60 and Fig. 15).

Regarding **claim 5**, Easley discloses that the predetermined dialed number is a three digit code (column 12, lines 21 – 60 and Fig. 15).

Regarding **claim 6**, Easley discloses that the predetermined dialed number is $x11$, where x is an integer (column 12, lines 21 – 60 and Fig. 15 where teaches predetermined dialed number is for example “*69” regarding the “ $x11$ ” as the principle work is same).

Regarding **claim 7**, Easley discloses that the SCP communicates with the mobile switching system using Intelligent Network Transactional Capabilities Application Part (IN TCAP) messaging (column 9, lines 60 – column 10, lines 20).

Regarding **claim 9**, Easley discloses that the SCP communicates with the intelligent Peripheral using Intelligent Network Transactional Capabilities Application Part messaging (column 9, lines 60 – column 10, lines 20).

Regarding **claim 13**, Easley discloses that the SCP communicates with an intelligent Peripheral, and wherein the Intelligent Peripheral plays voice messages through a voice path to the mobile switching system (column 15, lines 25 – column 16, lines 67 and Fig. 15).

4. **Claims 8 and 10 - 12** are rejected under 35 U.S.C. 103(a) as being unpatentable over Easley in view of Hernandez and in further view of Batni et al. (US Patent number 6,490,450).

Regarding **claim 8, 10, and 11**, Easley does not specifically disclose the limitation "SCP communicates with the intelligent Peripheral and mobile switching system using TCP/IP". However, Batni discloses the limitation "SCP (113 in Fig. 1) communicates (link 416 in Fig. 5) with the intelligent Peripheral (IVR (401) or ILR (109) IN Fig. 5 or (could be anything)) and mobile switching system (114 or 105 in Fig. 5) using TCP/IP" (Fig. 4, 5, column 8, lines 66 – column 9, lines 5, and column 4, lines 61 – 67, where teaches messages passed between ILP and SCP (or IVR and SCP) over connection using the TCP/IP and also using same connection with the MSC). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the Easley system as taught by Batni. The motivation does so would be to achieve a communication data link using TCP/IP link for efficient network connection in mobile communication system.

Regarding **claim 12**, Easley discloses that the SCP communicates with an intelligent Peripheral using Intelligent Network Transactional Capabilities Application Part messaging (column 9, lines 60 – column 10, lines 20).

Art Unit: 2684

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Stevens (US Patent number 6,404,880) discloses Delivering Critical Information.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 308-9051, (for formal communications intended for entry)

Or:

Art Unit: 2684

(703) 308-6606 (for informal or draft communications, please label
"PROPOSED" or "DRAFT").

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal
Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the
examiner should be directed to **John J. Lee** whose telephone number is **(703) 306-5936**.
He can normally be reached Monday-Thursday and alternate Fridays from 8:30am-5:00
pm. If attempts to reach the examiner are unsuccessful, the examiner's supervisor, **Nay
Aung Maung**, can be reached on **(703) 308-7745**. Any inquiry of a general nature or
relating to the status of this application should be directed to the Group receptionist
whose telephone number is (703) 305-4700.

J.L
April 22, 2004

John J Lee



NICK CORSARO
PATENT EXAMINER